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	Application No.	Applicant(s)	
	10/720,830	HEWETT ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Mark H Paschall	3742 ·	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS	ve
1. A This communication is responsive to papers filed 03-16-05.		•	
2. X The allowed claim(s) is/are 4,8-15 and 17-20.			
3. \boxtimes The drawings filed on <u>24 November 2003</u> are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submitinformal partent APPLICATION (PTO-152) which give comply including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the company of the paper No./Mail Date attached Examiner's comment regarding REQUIREMENT in the company of the paper No./Mail Date attached Examiner's comment regarding REQUIREMENT in the company of the priority documents and the deposit of the priority documents and the priority documents are company of the priority documents and the priority documents are company of the priority documents and the priority documents are company of the priority documents and the priority documents are company of the priority documents and the priority documents are company of the priority documents and the priority documents are company of the priority documents and the priority documents are company of the priority documents and the priority documents are company of the	e been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER as reason(s) why the oath or declarate by the submitted. son's Patent Drawing Review (PTO- c. s. Amendment / Comment or in the C. .84(c)) should be written on the drawing the header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL I	national stage application from the complying with the requirements. It's AMENDMENT or NOTICE OF ation is deficient. 1948) attached 1966 Diffice action of the back) of the complying with the front (not the back) of the complying in the front (not the back) of the complying in the submitted. Note the	
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 02-25-04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Summary Paper No./Mail Da 7. Examiner's Amenda 8. Examiner's Statema 9. Other	te	

Allowable Subject Matter

Claims 4,8-15, 17-20 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record does not teach a plasma torch having a dielectric standoff in the torch such that the torch is a dual mode torch and operates in both a high frequency mode and a contact start mode.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

With reference to claim 4 the prior art of record does not teach outer and inner vent holes in a start cartridge in a plasma torch wherein the velocity of gas increases in the flow direction and acts to also cool the electrode. The prior art of record does not teach a method of operating a contact start plasma arc torch in a high frequency mode by providing sufficient dielectric standoff between torch head elements.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark H Paschall whose telephone number is 703 308-1642. The examiner can normally be reached on 7am - 3pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on (703) 305-5766. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3742

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mark H Paschall Primary Examiner Art Unit 3742

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